

INTERNET MULTICASTING SERVICE

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Sun Microsystems
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INTERNET
MULTICASTING
SERVICE



Internet Multicasting Service

- **Non-Profit (Application Pending)**
- **Strong Support from Sun (Thanks!)**
- **PBS-like Entity**
- **"Flame of the Internet"**

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Basic Operations

- **2 Channels**
- **Internet Talk Radio**
- **Internet Town Hall**
- **Special Events**



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Internet Talk Radio

- **Jim Lehr meets Bill Joy**
- **Alternative to FooWorld**
- *Technical Channel*
- **O'Reilly & Associates**
- **Sun Microsystems**

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Facilities

- **Studio in National Press Building**
- **10 Mbps Link to Altnet**
- **Extensive Field Interviews**
- **Lucas Farm for Music/Voiceovers**

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Production

- Professional (Semi-Pro?)
- Produce 48 khz .wav Files
- DAT for Interviews
- Digital Effects Processors
- Digidesign Studio

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Publication

- 8 khz PCM Data
- 30 Mbytes/Hour
- SoX to Translate
- ADPCM Compression

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Distribution

- **UUNET as Primary**
- **IIJ and EUnet as Secondaries**
- **Controlled Anonymous FTP**
- **Over 30 Countries**

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Playing

- **Use Standard Audio Tools**
- **Multicast over Ethernet**
- **Multicast over Internet**
- **[Your Protocol Here]**

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Playing Around

- **Spool to Voicemail**
- **ISDN-based Audio-on-Demand**
- **Copy to Radio Station**
- **Powerbook in Car**

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Legal/Financial Model

- **No Copy Restrictions**
- **Meets AUP Guidelines**
- **No Derivative Works**
- **Aftermarket Tapes**

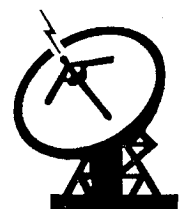
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Internet Town Hall

- **Public Affairs Channel**
- **National Press Club Luncheons**
- **Congressional Hearings**
- **More Programming to Come**

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Special Events

- **Monthly (Roughly)**
- **Demonstrate Use of Internet**
- **Push General Purpose Infrastructure**
- **Push Technology**

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Global Schoolhouse

- **Children Around World**
- **Study Environment**
- **Conduct Original Research**
- **Brief White House Officials**

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Schoolhouse Technology

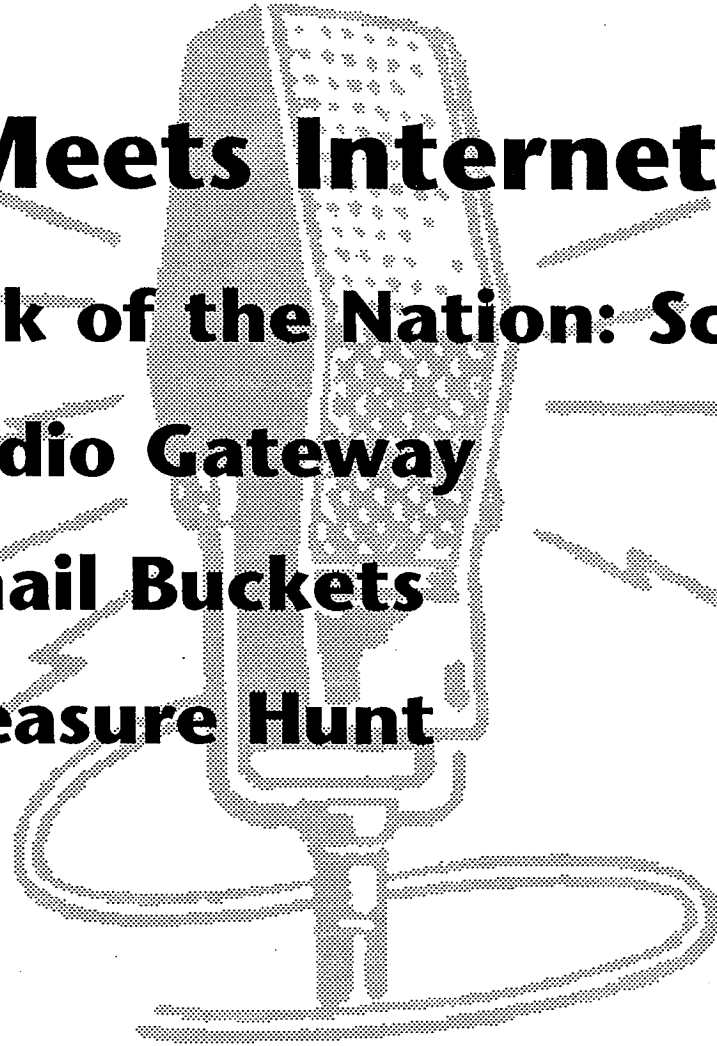
- **Macintosh Based**
- **CU-SeeMe (Video Only)**
- **Reflector/MBONE Gateway**
- **Over 30 Organizations Involved**

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NPR Meets Internet

- **Talk of the Nation: Science Friday**
- **Audio Gateway**
- **Email Buckets**
- **Treasure Hunt**



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Congressional Hearings

- **House Telecomm and Finance**
- **July 26, National Press Club Ballroom**
- **Sun, NSF, NASA, ARPA, Xerox PARC**
- **Real Hearings, Not Demo**

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Remote Witnesses

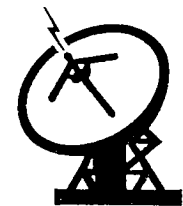
- **High-Res Video over DARTNET**
- **Gateway to MBONE**
- **Congress Cross-examine Monitors**



On-Site

- **X-Terms for Everybody (Sort of)**
- **Secure Messaging for Staff**
- **Gopher for Press/Observers**
- **Testimony in WAIS Databases**

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Internet Participation

- **Gopher/Mosaic/WAIS/WWW**
- **Multicast Backbone (MBONE)**
- **C-SPAN**
- **E-Mail Buckets (Letters!)**

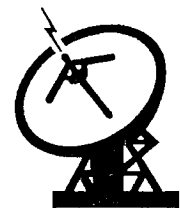
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Publicity

- **Press Tours/Briefings/Kits**
- **Staff Tours**
- **General Tours**
- **Internet Information**

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What's Next?

- **Internet as NPR Affiliate**
- **Live "Geek of the Week"**
- **Add Live Video**
- **More Special Events**
- **Stay Tuned!**

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Resources

MBONE: [isi.edu:/mbone/faq.txt](ftp://isi.edu/mbone/faq.txt)

Audio: [ftp.cwi.nl:/pub/audio/](ftp://cwi.nl/pub/audio/)

CU-SeeMe: <gated.cornell.edu:/pub/video/>

PARC: <parcftp.xerox.com:/pub/net-research/>

LBL: [ftp.ee.lbl.gov:/](ftp://ee.lbl.gov/)

ITR Sites: sites@radio.com

ITR Info: info@radio.com

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